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Listing of Claims

1 - 25 (Canceled).

26. (Currently Amended) A method for varying conductivity of a poly(3,4-ethylenedioxythiophene)/poly(styrenesulfonate) layer cast from aqueous solution onto a substrate, said method comprising adding an effective amount of at least one organic co-solvent to said aqueous solution, wherein said organic co-solvent comprises an amine solvent.

27. (Original) A method according to claim 26, wherein said amine solvent comprises a solvent selected from a mono-, di-, or tri-alkyl amine, a cyclic amine, an aromatic amine, and combinations of any two or more thereof.

28. (Original) A method according to claim 26, wherein said amine solvent comprises an aromatic amine solvent.

29. (Original) A method according to claim 28, wherein said aromatic amine comprises pyridine.

30 (Canceled)

31. (Currently Amended) A method according to claim [[30]] 38, wherein said carboxylic acid co-solvent comprises a solvent selected from a C₁ up to about C₆ straight or branched chain carboxylic acid, and combinations of any two or more thereof.

32. (Currently Amended) A method according to claim [[30]] 38, wherein said carboxylic acid comprises formic acid.

33 - 37 (Canceled).

38. (New) A method for varying conductivity of a poly(3,4-ethylenedioxythiophene)/poly(styrenesulfonate) layer cast from aqueous solution onto a substrate, said method comprising adding an effective amount of at least one carboxylic acid co-solvent to said aqueous solution.